



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference GML-WO-1	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/FR2003/003326	International filing date (<i>day/month/year</i>) 06 novembre 2003 (06.11.2003)	Priority date (<i>day/month/year</i>) 06 novembre 2002 (06.11.2002)
International Patent Classification (IPC) or national classification and IPC B62M 3/08		
Applicant GARNIER, Michel		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 17 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 03 juin 2004 (03.06.2004)	Date of completion of this report 17 January 2005 (17.01.2005)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR2003/003326

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages 1-3,3a,4-12, filed with the letter of _____
- ☒ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages 1-17, filed with the letter of 29 October 2004 (29.10.2004)
- ☒ the drawings:
 pages 1/8-8/8, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-17	YES
	Claims		NO
Inventive step (IS)	Claims	1-17	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims		NO

2. Citations and explanations

The present application relates to an offset bicycle pedal.

The pedal as per claim 1 differs from the pedal disclosed in the closest prior art document, FR-A-2623769, in that the shoe locking means comprise engagement means that can interact with the front part of a shoe plate integrally formed with the shoe sole, and movable rear engagement means that can interact with the rear part of the shoe plate, it being possible to move the movable rear engagement means under the pressure of the rear part of the shoe plate from an engagement position to a release position and back to an engagement position constrained by elastic means.

The present invention can therefore be considered to address the problem of improving the transmission of effort during pedalling.

Although the aforementioned means for joining a shoe to a pedal are known from the prior art, it is not considered obvious to fit an offset pedal with such joining means. In order to choose the joining means that ensure the best possible transmission of effort, a person skilled in the

art must not only study the whole range of solutions available (which would certainly be within his abilities), but also pinpoint the kinematics and dynamics of an offset pedal, and this is where the difficulty lies. The choice of the joining means defined in claim 1 ensures optimum transmission of effort, even in the two rear quarters of the curve depicted in figure 2 of the present application.

The pedal as per claim 1 is thus considered to be novel and to involve an inventive step (PCT Article 33(2) and 33(3)).

Dependent claims 2-17 relate to particular embodiments of the pedal as per claim 1. These claims thus also meet the requirements of PCT Article 33(2) and 33(3).

Further observation

Pursuant to PCT Rule 5.1(a)(ii), the description could have also mentioned documents FR-A-2623769 and FR-A-2436707 to illustrate more precisely the technical art that could help to understand the invention.